

Comparisons of Job Characteristics

Focus Occupation: [Fence Erectors \(47-4031\)](#)

Associated Occupation: [Welders, Cutters, Solderers, and Brazers \(51-4121\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 59

Focus Occupation: Fence Erectors (47-4031)

Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	9.5	5.7	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	6.4	4.3	<<	Extensive education and/or training may be required
Design	5.2	6.0	4.7	<	Expanded education and/or training may be required
Building and Construction	4.0	4.9	9.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Fence Erectors (47-4031)

Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Quality Control Analysis	5.9	7.4	6.9	0	Current skill level may be sufficient
Troubleshooting	4.5	6.2	5.6	<	A higher skill level may be required
Equipment Maintenance	3.5	5.9	6.1	0	Current skill level may be sufficient
Repairing	3.4	5.9	5.4	0	Current skill level may be sufficient
Equipment Selection	3.3	5.4	6.2	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 63

Focus Occupation: Fence Erectors (47-4031)

Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Arm-Hand Steadiness	6.8	11.4	9.8	<	Some improvement in abilities may be required
Near Vision	11.1	11.2	8.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	10.3	11.1	0	Current ability level may be sufficient
Finger Dexterity	7.6	9.7	8.7	<	Some improvement in abilities may be required
Oral Expression	12.4	9.7	8.2	<	Some improvement in abilities may be required
Oral Comprehension	12.5	9.6	7.9	<	Some improvement in abilities may be required
Control Precision	6.6	9.5	9.6	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Fence Erectors (47-4031)

Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Work Activities	Exclusivity of Activity
Fabricate, assemble, or disassemble manufactured products by hand	11
Move or fit heavy objects	8
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Use arc welding equipment	62
Use hand or power tools	2
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Fence Erectors (47-4031)

Associated Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.